

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
23 December 2004 (23.12.2004)

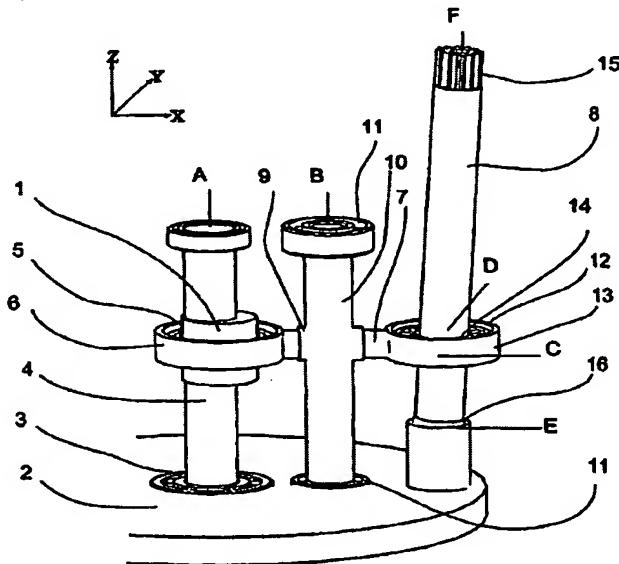
PCT

(10) International Publication Number
WO 2004/110697 A2

(S1) International Patent Classification ⁷ :	B23Q 1/00	(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
(21) International Application Number:	PCT/TR2004/000033	
(22) International Filing Date:	17 June 2004 (17.06.2004)	
(25) Filing Language:	Turkish	
(26) Publication Language:	English	
(30) Priority Data:		
2003/00903	17 June 2003 (17.06.2003)	TR
2004/01403	15 June 2004 (15.06.2004)	TR
(71) Applicant and		
(72) Inventor: ATAK, Mehmet Salih [TR/TR]; 552/2 Sokak No:1/1 Daire:4 Bornova, 35040 Izmir (TR).		
(74) Agent: DESTEK PATENT, INC.; Tophane Ortapazar Cad. No: 7 Osmangazi, 16040 Bursa (TR).		
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).		

[Continued on next page]

(54) Title: A DEVICE HAVING MULTIPLE DRIVING ARMS ROTATED CIRCULARLY WITHOUT AXIAL ROTATION AND THE METHOD OF THE SAME



WO 2004/110697 A2

WO 2 (57) Abstract: The present invention relates to a mechanism comprising a number of spindles capable to perform circular motion without an axial rotation drive; and more particularly to a mechanism, which is capable to perform operations such as cleaning, brushing, cutting, boring, abrading, etc. on even or uneven surfaces by means of auxiliary units supplied on terminus of such spindles, and where fluid supply can be made externally for such terminal units.